

## Section A – Pollutants Analyzed for Air Quality Impact

### Applicability

The PSD requirements, 326 Indiana Administrative Code (IAC) 2-2, apply in attainment and unclassifiable areas and require an air quality impact analysis of each regulated pollutant emitted in significant amounts by a major stationary source or modification. Significant emission levels for each pollutant are defined in 326 IAC 2-2-1 and in the Code of Federal Regulations (CFR) 52.21(b)(23)(i). The proposed site in Spencer County is an attainment area for all applicable NAAQS.

### Proposed Project Emissions

NO<sub>x</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, CO, SO<sub>2</sub>, VOCs, Lead (Pb) and HAPs are the pollutants that will be emitted from REC and are summarized in Table 1. NO<sub>2</sub>, CO, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, VOCs, and HAPs exceed the PSD significant emission rates; and air quality analysis is required for these pollutants.

**TABLE 1**  
**Significant Emission Rates for PSD**

POLLUTANT	SOURCE EMISSION RATE (TPY)	SIGNIFICANT EMISSION RATE (TPY)	PRELIMINARY AQ ANALYSIS REQUIRED
...			
H <sub>2</sub> S <sup>2</sup>	<del>2.93</del> 5.11	10	NO

<sup>1</sup>10 tpy for a single HAP.

<sup>2</sup>There are no NAAQS for H<sub>2</sub>S; however, there are monitoring concentrations thresholds for pollutants above the de minimis levels.

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